

## Residential and Small Non Residential Standard Offer Service

### *Consumer Information about Your Electricity Supply*

### September, 2011

Electricity suppliers in Maine must, by Maine law, provide fact sheets, or “uniform disclosure Labels” from time to time to educate consumers about their electricity service. Your electricity is *delivered by* Maine Public Service but the **electricity itself** is supplied by:

### New Brunswick Power Generation Corporation

This fact sheet provides consumer information about the power sources and air emissions of service provided by this electricity supplier.

#### **Power Sources**

Sept 2010 thru Sept 2011

This supplier provided electricity with the following resources:

	<b>Supplier's <u>Mix</u></b>	<b>Maritimes <u>Mix*</u></b>
Biomass	16.8%	2.6%
Municipal Trash	0.7%	0.0%
Fossil Fuel	0.0%	0.0%
Cogeneration	0.0%	0.0%
Fuel Cells	0.0%	0.0%
Geothermal	0.0%	0.0%
Hydro	45.8%	29.7%
Solar	0.0%	0.0%
Tidal	0.0%	0.0%
Wind	1.8%	3.6%
Nuclear	13.0%	0.0%
Natural Gas	16.6%	23.0%
Oil	1.6%	12.1%
Coal	3.7%	29.0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>

\*Maritimes Mix is based on New Brunswick System Operator figures

#### **Air Emissions**

Sept 2010 thru Sept 2011

This table compares air emissions from this supplier's electricity mix to average emission levels from all Regional power sources.

	<b>Supplier's Mix (lbs/MWh)</b>	
<b>Carbon Dioxide (CO2)</b>	<b>621.98</b>	This is 44.2% less than the Maritimes Control Area Average*
<b>Nitrogen Oxide(NOx)</b>	<b>0.06</b>	This is 97.3% less than the Maritimes Control Area Average*
<b>Sulfur Dioxide (SO2)</b>	<b>0.11</b>	This is 96.3% less than the Maritimes Control Area Average*

Notes: lbs/MWh = pounds per Megawatt-hour.  
1 Megawatt-hour = 1,000 kilowatt-hours

\*Maritimes Mix is based on New Brunswick System Operator figures

#### *Additional Information and Required notes:*

**Power Sources:** Maine law requires retail electricity providers to periodically provide information to their customers on the mix of power sources used by the provider to serve their Maine customers' load.

**Emissions:** Carbon Dioxide (CO2) is released when certain fuels are burned. It is considered a major greenhouse gas and a major contributor to global warming. Nitrogen Oxides (NOx) form when certain fuels are burned at high temperatures. They are considered contributors to acid rain and ground-level ozone (or smog). Sulfur Dioxide (SO2) is formed when fuels containing sulfur are burned. Major health effects associated with SO2 include asthma, respiratory illness and aggravation of existing cardiovascular disease. The production of electricity can produce harmful emissions and have other environmental impacts. Environmental impacts differ among different power plants.

*If you have questions or need further explanation please call New Brunswick Power Generation Corporation at 1-888-415-5055 or the Maine Public Utilities Commission, toll free at 1-800-452-4699. Additional information can also be found at <http://www.maine.gov/mpuc>*